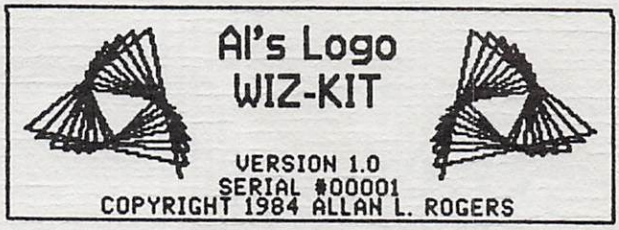
Print LOGO Pictures & Programs



And Koala Pad Pictures Too. . . .

SIMPLY, AUTOMATICALLY, RELIABLY. . .AND CHEAPLY.

. . .**WIZ-KIT** is the EASIEST, FASTEST, AND CHEAPEST tool for printing Logo Graphics AND Logo procedures. . .BOTH MIT (Terrapin & Krell) and LCSI (Apple) Logo.
. . .**WIZ-KIT** solves the problems in printing Logo files for a class of students
. . .**WIZ-KIT** solves many Logo memory management problems.
. . .**WIZ-KIT** is EASY to OPERATE
. . .**WIZ-KIT** makes things easier for BOTH the STUDENT and the TEACHER
. . .**WIZ-KIT** prints out Koala Pad pictures too

WIZ-KIT STUDENT DISK. . .

. . .solves memory management problems and automates the saving of procedures and pictures to the disk. Remember how confusing it is to type something like SAVE "HOUSE, and then later to load "HOUSE and discover "WINDMILL and "TREE and "TRUCK and "FLOWER and "FROG all mixed up with "HOUSE? With **WIZ-KIT**, you type PIC "HOUSE. **WIZ-KIT** takes over and saves to the disk BOTH the procedures which make "HOUSE (and NOTHING BUT "HOUSE) AND ALSO the hi-res graphics picture of "HOUSE. AUTOMATICALLY! And, you can call up and VIEW PICTURES and LIST PROGRAMS saved on the disk at ANY TIME. . .EVEN IF LOGO IS NOT RUNNING.

WIZ-KIT TEACHER DISK. . .

. . .allows you to PRINT OUT BOTH PROGRAMS AND PROCEDURES on the student disk. . .AUTOMATICALLY, QUICKLY, EASILY, UNATTENDED.

WIZ-KIT now works with these printers, with more to follow soon: APPLE DOT MATRIX, OKIDATA MICROLINE 92/93, EPSON MX80/RX80/FX80, STAR GEMINI 10/15, C.ITOH 8510, NEC PC-8023, APPLE IMAGEWRITER.

WIZ-KIT works with these interface cards, with more to follow soon: STANDARD APPLE PARALLEL (Apple, Epson, Microtek, MPC, Prometheus, Asap, etc.), APPLE CENTRONICS, APPLE SUPER SERIAL, GRAPPLER + , TEXTPRINT PRINT-IT! (WIZ-KIT is even easier to use than Grappler & Print-it!) **NOW: APPLE IIc SERIAL**

DETACH AND USE THIS HANDY WIZ-KIT ORDER BLANK

Name: _____

Address: _____

City: _____ **State:** _____ **Zip:** _____

_____ **Number of WIZ-KITS ordered**

Enclose $19.95 (plus 6% sales tax for California residents) for each WIZ-KIT ordered, plus $1.05 for shipping costs.

WIZ-KIT

Hands-On Training Company
4021 Allen School Road
Bonita, California 92002

The Wiz-Kit Advantage

The Logo command **"PIC,"** found on the student disk, is a helpful memory management tool which allows you to save programs which consist of ONLY the procedures needed by the program.

This feature allows you to get helpful, relevant listings of your students' Logo programs. Normally, when you get a Logo program listing on the printer, you get the entire workspace printed out, with no regard for pages, and all procedures in the workspace mixed up. **The WIZ-KIT prints the Logo programs it saves, in the order used in the program, and includes a title, page numbers, and skips over perforations.**

Finally, the WIZ-KIT is the only graphics dump utility designed with a classroom teacher in mind. It handles the difficult logistics of printing many pictures and programs with only one printer. Rather than use a computer to print during class time, you can let a student work. Later, at lunch, recess, or after school, you, an aide, or a student can conveniently, easily, and quickly print out the day's work. You never need remember or type a student's program name.... Wiz-Kit finds and prints all Logo programs and pictures automatically.

Al's Logo Wiz-Kit is guaranteed. If you are not happy with your purchase, return the program for a full refund.

Hands-On Training Company
4021 Allen School Road
Bonita, CA 92002
619-475-4852

Al's Logo WIZ-KIT

DIRECTIONS FOR USE

1. Copy **BOTH SIDES** of this disk with **COPYA** from your DOS 3.3 System Master Disk.

2. Put the original WIZ-KIT disk away and use only the backup from now on. If the copy is ever damaged, you can then recopy the original.

3. The front side of the original WIZ-KIT disk is the TEACHER DISK. Label your copy clearly: WIZ-KIT TEACHER DISK.If the WIZ-KIT was PURCHASED BY A SCHOOL for USE AT THE SCHOOL, you may make **ONE** copy for **EACH** computer at that school which has a printer. This will allow different classrooms or labs to use the same program. However, other schools must purchase their own programs. **Teachers using the WIZ-KIT at home on a regular basis for personal use (other than school-related printing) must purchase a separate program. Students who wish to do printing at home must also purchase their own separate programs.**

4. The back side of the original WIZ-KIT disk is the STUDENT DISK. **MAKE AS MANY COPIES OF THE STUDENT DISK AS YOU WISH.** Clearly label each copy WIZ-KIT STUDENT DISK. You may want each student to have their own disk, or you can have "class" disks which several students will share.

5. The WIZ-KIT TEACHER DISK will print all of your students' Logo creations. The first time you use the TEACHER DISK, you must set it up to run with your printer.

    a. When you see the MAIN MENU (labeled at the bottom of the screen), press number **5** (UTILITY MENU). It is not necessary to press RETURN.

    b. When you see the UTILITY MENU, press number **3** (CHANGE HARDWARE PARAMETERS).

c. Follow the directions on the screen to set up the WIZ-KIT TEACHER DISK. When a number is highlighted on the screen, simply press **RETURN** for that option to be executed. You should go through all of the steps, including the checks. If you need to re-do a step, simply type the number for that option. When you return to the WIZ-KIT, you will be presented with a menu which allows you to SAVE CURRENT HARDWARE SETUP or RETURN WITHOUT SAVE. You must SAVE CURRENT SETUP if you want the program to remember your printer and interface card the next time you use the WIZ-KIT TEACHER DISK.

6. When you return to the TEACHER DISK MAIN MENU, you are ready to begin printing students' work which they have saved on their STUDENT DISKS.

7. The WIZ-KIT TEACHER DISK will print any Logo program or picture (or Koala Pad picture) on the disk which is not locked (Locked files have an asterisk in front of them when you type **CATALOG**.) The TEACHER DISK will also print out any hi-res picture you have created using any other program as long as you add the suffix **".PICT"** to the name of the picture. Although you can save pictures (from Logo, a Koala Pad, or other program) to the TEACHER DISK, you should really save all of your pictures on a STUDENT DISK **(NOTE: The STUDENT DISK will NOT print out on a printer. The STUDENT DISK will only allow you to view files on the screen. You MUST BOOT THE TEACHER DISK in order to print any files to a printer.)**

8. Follow these steps to print out pictures or procedures:

   a. Boot the TEACHER DISK.

   b. Remove the TEACHER DISK (unless there are files on the disk you wish to print).

   c. Insert the disk which has the files you wish to print. In most cases this will be a WIZ-KIT STUDENT DISK.

   d. From the MAIN MENU, select option number **1**, PRINT LOGO FILES. This will take you to the PRINT LOGO FILES menu.

   e. Select option **1**, AUTO-PRINT ALL LOGO FILES, to print out all legal files. The disk drive will run briefly, and the catalog will scroll up the screen as the program searches for legal files to print. It will recognize and mark for printing only unlocked pictures with names ending in **".PICT"** or starting with **"PICTR."** (Koala Pad pictures); and unlocked files with names ending in **".LOGO"** (Logo procedures). (NOTE: The **ESC** key is the GENERAL PURPOSE STOP BUTTON. You can press the ESC key to quit this and many other operations.)

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This feature allows you to get helpful, relevant listings of your students' Logo programs. Normally, when you get a Logo program listing on the printer, you get the entire workspace printed out, with no regard for pages, and all procedures in the workspace mixed up. **The WIZ-KIT prints the Logo programs it saves, in the order used in the program, and includes a title, page numbers, and skips over perforations.**

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MIT LOGO

1. Boot the Logo disk.

2. After the Logo disk is booted, remove it and insert the WIZ-KIT STUDENT DISK; then type **READ "PIC** (If you are using Terrapin Logo Version 2.0 type READ "PIC2) and press RETURN.

3. Write a Logo program or READ a Logo program file into memory from a disk which contains previously saved Logo files.

4. To save procedures and pictures to the disk, type **PIC "NAME** (eg., PIC "SQUARE). You may not use PIC with a procedure name which requires an input. For example, if you must type HOUSE 50, you may not use PIC "HOUSE 50. In this case, write a super-procedure without an input which will call HOUSE 50. For example:

```
TO HOUSE50
   HOUSE 50
END
```

Then, type **PIC "HOUSE50**

5. The command PIC "HOUSE50 will save to the disk ONLY the procedures HOUSE50 uses. You can see the procedures listed as it finds them. Then it will execute HOUSE50, draw the picture, and finally save the picture on the disk.

6. You can boot the WIZ-KIT STUDENT DISK at any time to examine the procedures or pictures saved on the disk. Or you can boot use the WIZ-KIT TEACHER DISK to print them out.

7. If you are using a hard disk to store MIT Logo files, load the PICHD version by typing **READ "PICHD**. To use PIC, type **PIC "NAME VOLUMENUMBER** (eg., PIC "HOUSE 10) to save on the correct volume. The Logo procedure PIC is written for Slot 6, Drive 1. If your hard disk is in another slot, EDIT PIC and change the slot. Unlock PICHD by typing **DOS[UNLOCK PICHD.LOGO]**. Then save PICHD by typing **PIC "PICHD VOLUMENUMBER.**

f. If you wish to print only selected files, choose option **2**, PRINT SELECTED FILES. Again the disk drive will run briefly, and the catalog will scroll up the screen searching for legal files to print. This time, however, when a legal file is found, it will stop and print the prompt "PRINT?" followed by the name of the file. Press "Y" or "N". Remember, files with the suffix "**.LOGO**" are procedure files. Picture files start with "**PICTR.**" or end with "**.PICT**".

g. After all files have been selected for printing, they will be listed again, with the question at the bottom of the screen, "PRINT ALL OF THESE FILES?". Press "**Y**" or "**N**".

h. After you answer the remaining questions you will see the selected files either on the screen or printed on the printer.

i. When all printing is finished, you will be asked if you wish to delete all of the files which were printed. Be careful here... if you press "**Y**", all of the files will be deleted (unless you press the **ESC** key before the job is finished). This option is helpful when you have your students collect all of their work to be printed on a class disk. This is explained below.

You may wish to print files from individual STUDENT DISKS. In this case, you would probably use the PRINT SELECTED LOGO FILES option.

However, the easiest way to print the work from several students is to maintain one or more STUDENT DISKS which you have labeled CLASS DISK. You could keep these CLASS DISKS near the computer. Your students would use their own STUDENT DISKS to keep their own work on. However, when they wanted to have something printed on the printer, then they would have to also save it on the CLASS DISK. That way you do not have to collect individual student disks in order to print. Each day, you would simply print out all of the files on the CLASS DISKS using the AUTO-PRINT ALL LOGO FILES option. Using this strategy, the "DELETE ALL OF THESE FILES" question at the end of the printing session makes sense. When you answer this question with a "**Y**", you will erase all of the files from the disk, leaving a clean CLASS DISK for the next day's work.

One limitation of both the TEACHER and STUDENT DISKS is that they will not function properly if the disk contains too many files. Due to the memory limitations of the program, a large catalog (more than about 25-30 files) will cause the program to malfunction when selecting files to print. Since a disk can hold at the most only about 7 or 8 pictures, very large catalogs will probably be rare. You can prevent this problem by avoiding large catalogs.

LCSI (Apple) Logo:

1. Boot the Apple Logo disk. When you see the directions to insert your own disk, remove the Logo disk, insert a WIZ-KIT STUDENT DISK, and press RETURN. The light on the disk drive will blink on and off while the WIZ-KIT startup program is being loaded. (The WIZ-KIT Logo program is in the "STARTUP" file. You can load it at any other time by typing **LOAD "STARTUP** and pressing **RETURN**.)

2. Two Logo procedures will be loaded: PIC and BYE. Each will be explained below

3. Write a Logo program or LOAD a Logo program file into memory from a disk which contains previously saved Logo files.

4. When you are ready to save your procedures and picture to the disk:

   a. BE SURE THE STUDENT WIZ-KIT DISK IS IN THE DISK DRIVE. You will lose your picture otherwise.

   b. Type **PIC "NAME** (eg., PIC "SQUARE). You may not use PIC with a procedure name which requires an input. For example, if you must type HOUSE 50, you may not use PIC "HOUSE 50. In this case, write a super-procedure without an input which will call HOUSE 50.

      For example,

      ```
      TO HOUSE50
        HOUSE 50
      END
      ```

      Then, type **PIC "HOUSE50**

   c. The command PIC "HOUSE50 will save to the disk ONLY the procedures HOUSE50 uses. You can see the procedures listed as it finds them. Then it will execute HOUSE50, draw the picture, and finally save the picture on the disk. (It does this by booting the STUDENT DISK. Sorry, that's the only way to save a picture in Apple Logo!)

   d. If you want to save **only** the picture on the screen, even if it has no procedures associated with it (such as a picture created with ZOOM or INSTANT Logo procedures), you can type **.PIC "NAME** (Don't forget the period in front of "PIC"). The computer will boot the STUDENT WIZ-KIT, which in turn will save your picture to the disk for you.

5. Simply follow the menu directions to get back to Logo.

6. You can boot the WIZ-KIT STUDENT DISK at any time to examine the procedures or pictures saved on the disk. However, in this case Logo is not running, so you cannot execute any of the procedures.

7. If you want to **print your Logo files on a printer**, you must boot the TEACHER DISK and follow the directions for printing.

8. Note that when you load the WIZ-KIT STARTUP file in step 1, you prevent the Startup file on the Apple Logo disk from loading. The Apple Logo Startup file contains arcs and circle procedures. If you need those procedures, go ahead and load them normally. Then insert the STUDENT DISK and type **LOAD "STARTUP**. You will now have both sets of procedures. However, you will have less memory space to work with. You may prefer to save space by having your students type their own, shorter arc and circle procedures ... an excellent problem solving activity if you have not yet done that:

   ```
   TO ARC :S
      REPEAT 9 [FD :S RT 10]
   END

   TO CIRCLE :S
      REPEAT 4 [ARC :S]
   END
   ```

9. If you run out of space while using PIC or .PIC, you may need to type **POTS** to examine your workspace and then erase Logo procedures which are not really part of the program you are trying to save. Students are especially likely to have unneeded procedures taking up room in their computer's memory. If you have erased all unnecessary procedures but still run out of space, then it may help to type the following:

SAVE "TEMP	(save all of your work to the disk)
ERALL	(erase your work from memory)
BYE	(clean up all garbage hanging around)
LOAD "TEMP	(load your work into a clean workspace)

10. FD 100!